

Attachment 8. Quality Assurance

The quality of the project work products will be managed by a Quality Assurance Team (QAT). The objective is to insure that work products meet a high standard. Where available and applicable, standards published by professional organizations, American Society for Testing and Materials, U. S. Geological Survey, and U. S. Environmental Protection Agency will be followed. For each task within the project, a detailed workplan will be prepared and submitted to the QAT for review and approval. The workplans will address procedures for the following tasks:

- (1) Reviewing reports, data, and laboratory analyses;
- (2) Designing and implementing field investigations, including methods for measuring flows, measuring groundwater levels, collecting and handling water-quality samples, and reviewing analytical results produced by laboratories;
- (3) Implementing statistical analyses of data, including model calibration;
- (4) Conducting and reviewing computations, model input files, and model reliability; and
- (5) Conducting quality assurance on software used.

The work will be conducted by appropriately qualified professional and technical personnel, including required professional registrations. Finally, the office and field work will be conducted in compliance with health and safety standards.

The QAT will be led by Dr. Graham Fogg (University of California, Davis). His role will be to provide advice on hydrologic and other aspects of the project. The basic project tasks include establishing goals and objectives, developing a hydrologic model, conducting field investigations to support the model development, conducting a quantitative management analysis, and developing a plan for managing surface-water and groundwater resources.

Dr. Fogg is well experienced in statewide and Yolo County water-resource issues. He and his team are currently doing research work on the management of groundwater resources within the County, with a particular emphasis on groundwater resources within the Yolo Bypass. That research includes the hydrologic, economic, and institutional aspects of water-resource management. That experience makes him uniquely qualified to advise the project on all its critical components, including establishing goals and objectives and applying the tools of quantitative management to developing an optimal plan for conjunctively managing surface-water and groundwater resources in RD 2035 for the benefit of agricultural, urban, and environmental interests in Yolo County and the north Delta region.